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NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	DEC 18	CA/Capplus pre-1967 chemical substance index entries enhanced with preparation role
NEWS	4	DEC 18	CA/Capplus patent kind codes updated
NEWS	5	DEC 18	MARPAT to CA/Capplus accession number crossover limit increased to 50,000
NEWS	6	DEC 18	MEDLINE updated in preparation for 2007 reload
NEWS	7	DEC 27	CA/Capplus enhanced with more pre-1907 records
NEWS	8	JAN 08	CHEMLIST enhanced with New Zealand Inventory of Chemicals
NEWS	9	JAN 16	CA/Capplus Company Name Thesaurus enhanced and reloaded
NEWS	10	JAN 16	IPC version 2007.01 thesaurus available on STN
NEWS	11	JAN 16	WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data
NEWS	12	JAN 22	CA/Capplus updated with revised CAS roles
NEWS	13	JAN 22	CA/Capplus enhanced with patent applications from India
NEWS	14	JAN 29	PHAR reloaded with new search and display fields
NEWS	15	JAN 29	CAS Registry Number crossover limit increased to 300,000 in multiple databases
NEWS	16	FEB 15	PATDPASPC enhanced with Drug Approval numbers
NEWS	17	FEB 15	RUSSIAPAT enhanced with pre-1994 records
NEWS	18	FEB 23	KOREAPAT enhanced with IPC 8 features and functionality
NEWS	19	FEB 26	MEDLINE reloaded with enhancements
NEWS	20	FEB 26	EMBASE enhanced with Clinical Trial Number field
NEWS	21	FEB 26	TOXCENTER enhanced with reloaded MEDLINE
NEWS	22	FEB 26	IFICDB/IFIPAT/IFIUDB reloaded with enhancements
NEWS	23	FEB 26	CAS Registry Number crossover limit increased from 10,000 to 300,000 in multiple databases
NEWS	24	MAR 15	WPIDS/WPIX enhanced with new FRAGHITSTR display format
NEWS	25	MAR 16	CASREACT coverage extended
NEWS	26	MAR 20	MARPAT now updated daily
NEWS	27	MAR 22	LWPI reloaded
NEWS	28	MAR 30	RDISCLOSURE reloaded with enhancements
NEWS	29	MAR 30	INPADOCDB will replace INPADOC on STN
NEWS	30	APR 02	JICST-EPLUS removed from database clusters and STN
NEWS EXPRESS	NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.		
NEWS HOURS	STN Operating Hours Plus Help Desk Availability		
NEWS LOGIN	Welcome Banner and News Items		
NEWS IPC8	For general information regarding STN implementation of IPC 8		
NEWS X25	X.25 communication option no longer available		

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Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 16:09:00 ON 05 APR 2007

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 16:09:18 ON 05 APR 2007

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 4 APR 2007 HIGHEST RN 929190-51-2

DICTIONARY FILE UPDATES: 4 APR 2007 HIGHEST RN 929190-51-2

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TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

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REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10506998.str

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s l1

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SAMPLE SEARCH INITIATED 16:11:23 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 441216 TO ITERATE

0.5% PROCESSED 2000 ITERATIONS 5 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**
BATCH **INCOMPLETE**
PROJECTED ITERATIONS: 8786458 TO 8862182
PROJECTED ANSWERS: 20068 TO 24052

L2 5 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 16:11:27 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 8819948 TO ITERATE

4.6% PROCESSED 408381 ITERATIONS 1453 ANSWERS

9.5% PROCESSED 839026 ITERATIONS 4501 ANSWERS

11.3% PROCESSED 1000000 ITERATIONS 4878 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.46

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**
BATCH **INCOMPLETE**
PROJECTED ITERATIONS: 8819948 TO 8819948
PROJECTED ANSWERS: 42401 TO 43645

L3 4878 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	173.90	174.11

FILE 'CAPLUS' ENTERED AT 16:12:24 ON 05 APR 2007
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FILE COVERS 1907 - 5 Apr 2007 VOL 146 ISS 15
FILE LAST UPDATED: 4 Apr 2007 (20070404/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

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<http://www.cas.org/infopolicy.html>

=> s l3

L4 158 L3

=> s l3 full

L5 158 L3

=> s l5 and py<2003

22870367 PY<2003

L6 2 L5 AND PY<2003

=> d ibib abs hitstr tot

L6 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2006:740618 CAPLUS

DOCUMENT NUMBER: 145:159828

TITLE: Nicotine in therapeutic angiogenesis and
vasculogenesis

INVENTOR(S): Cooke, John; Jang, James; Tsao, Phillip; Heeschen,
Christopher

PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 22 pp., Cont.-in-part of U.S.
Ser. No. 147,389.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 4

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2006167028	A1	20060727	US 2005-286850	20051122
US 6417205	B1	20020709	US 2000-628226	20000728 <--
US 2002128294	A1	20020912	US 2002-147389	20020515 <--
US 7160904	B2	20070109		
US 2006182731	A1	20060817	US 2006-404445	20060413
PRIORITY APPLN. INFO.:			US 1999-146233P	P 19990728
			US 2000-628226	A3 20000728
			US 2002-147389	A2 20020515
			US 2005-286850	A1 20051122

AB The invention features methods for induction of angiogenesis by
administration of nicotine or other nicotine receptor agonist. Induction
of angiogenesis by the methods of the invention can be used in therapeutic
angiogenesis in, for example, treatment of ischemic syndromes such as
coronary or peripheral arterial disease. Nicotine stimulated angiogenesis
in mice implanted with the disk angiogenesis system and this effect was
blocked by nitric oxide and prostacyclin inhibitors. Nicotine enhanced
angiogenesis in a murine model of peripheral artery disease.

IT 900492-78-6

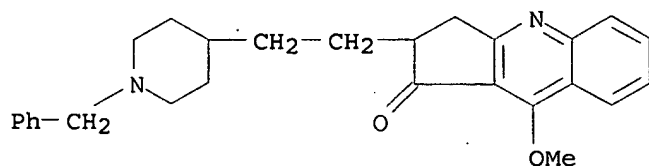
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL
(Biological study); USES (Uses)

(nicotine for therapeutic angiogenesis and vasculogenesis in ischemic
syndromes)

RN 900492-78-6 CAPLUS

CN 1H-Cyclopenta[b]quinolin-1-one, 2,3-dihydro-9-methoxy-2-[2-[1-
(phenylmethyl)-4-piperidinyl]ethyl]- (9CI) (CA INDEX NAME)

Erich Leuser



L6 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1966:35721 CAPLUS

DOCUMENT NUMBER: 64:35721

ORIGINAL REFERENCE NO.: 64:6599g-h,6600a-b

TITLE: Enols in the pyrrolidine series. Reaction site and stereoselectivity in reactions of certain aluminum and boron hydrides with α,β -unsaturated ketones and their enolic reduction products

AUTHOR(S): Southwick, Philip L.; Latif, Nazih; Fitzgerald, Berenice M.; Zaczek, Norbert M.

CORPORATE SOURCE: Carnegie Inst. of Technol., Pittsburgh, PA

SOURCE: Journal of Organic Chemistry (1966), 31(1), 1-13

CODEN: JOCEAH; ISSN: 0022-3263

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 64:35721

GI For diagram(s), see printed CA Issue.

AB A study of the action of several hydride reducing agents and Grignard reagents on the α,β -unsatd. ketonic structure of 4-benzylidene-2,3-dioxopyrrolidines (I) led to the following conclusions. (1) The initial reaction of diborane involves the olefinic bond and leads to formation of enols (II) of 4-benzyl-2,3-dioxopyrrolidines, as does catalytic hydrogenation. A comparison with chalcone showed that the latter substance is attacked to a considerable extent at the olefinic bond (conjugated reduction to the saturated ketone) by lithium tri-tert-butoxyaluminumhydride (LBAH) as well as by diborane. (2) The initial reaction of LBAH, sodium borohydride, PhMgBr , MeMgI , and presumably of LiAlH_4 with I takes place at the ketonic carbonyl and produces the 4-benzylidene-3-hydroxypyrrolidine derivs. III, IV, or V. (3) III are isomerized rapidly at room temperature to II by sodium hydroxide, LBAH, or sodium borohydride. At 0° the isomerization is too slow to interfere seriously with isolation of III formed in LBAH or sodium borohydride redns. (4) II are reduced by LiAlH_4 and sodium borohydride but not by LBAH or diborane. (5) Stereoselectivity in hydride redns. of II favors products having the 4-benzyl trans to the 3-hydroxyl. The same stereoisomers are favored in redns. of V with LiAlH_4 at high temps.

IT 905825-22-1P, 2-Pyrrolidinone, 1-cyclohexyl-4-[p-(dimethylamino)benzyl]-3-hydroxy-, trans-

RL: PREP (Preparation)

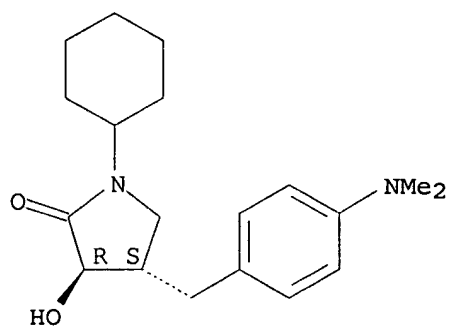
(preparation of)

RN 905825-22-1 CAPLUS

CN 2-Pyrrolidinone, 1-cyclohexyl-4-[p-(dimethylamino)benzyl]-3-hydroxy-, trans- (7CI) (CA INDEX NAME)

Relative stereochemistry.

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